

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
12 September 2003 (12.09.2003)

(10) International Publication Number
WO 03/075039 A1

PCT

(51) International Patent Classification⁷: G01V 1/38, 1/20

(21) International Application Number: PCT/NO03/00079

(22) International Filing Date: 6 March 2003 (06.03.2003)

(25) **Filing Language:** Norwegian

(26) **Publication Language:** English

(30) **Priority Data:**
20021140 7 March 2002 (07.03.2002) NO

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(81) **Designated States (national):** AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

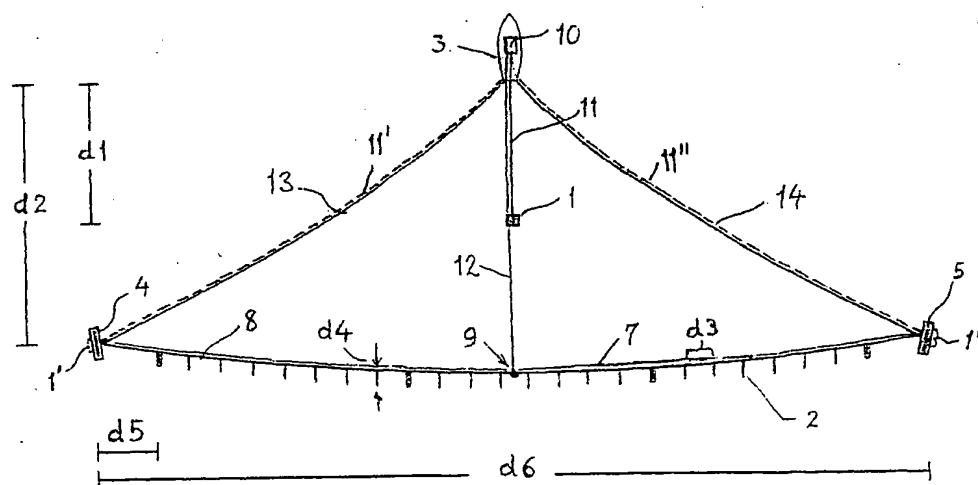
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** APPARATUS FOR SEISMIC MEASUREMENTS



(57) Abstract: An apparatus for three-dimensional single-channel seismic measurements, wherein at least one seismic source (1; 1', 1'') and hydrophone devices (2) are towed behind a vessel (3), and wherein a pair of deflectors (4, 5) are used that are submerged in the sea (6) and which, as the vessel moves, seek to move in a direction transverse to the vessel's direction of travel. Fastened between the deflectors (4, 5) is a wire (7) which limits the spacing between the deflectors (4, 5). Along the wire (7) there are also mounted thereon hydrophone devices (2) which in relation to the spacing (d3) of the devices have a short lengthwise extent (d4). The devices (2) are connected together by a hydrophone signal cable (8). An additional signal cable (12) connects the cable (8) to the signal processing equipment (10) on the vessel (3). The seismic source (1) may be connected to signal equipment (10) on the vessel (3) and located in an area between the vessel (3) and said wire (7), or at least one of the deflectors (4, 5) may be equipped with a seismic source (1, 1', 1'').

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